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New Release   August 2008

Encyclopedia of Data Warehousing and Mining, Second Edition (4-volume set)

Edited by: John Wang, Wayne State University, USA

4-volume set

"The book provides a comprehensive overview of available approaches, techniques, open problems, and applications related to data warehousing and mining. It will become, without any doubt, a major source of information for practitioners, researchers, and students interested in this relatively new exciting field."
- Dr. Zbigniew W. Ras, Professor and KDD Laboratory Director, University of North Carolina, Charlotte, USA

Subject:
Data Mining/Databases; Artificial Intelligence; IT Security/Ethics; Software/Systems Design

There are more than one billion documents on the Web, with the count continually rising at a pace of over one million new documents per day. As information increases, the motivation and interest in data warehousing and mining research and practice remains high in organizational interest.

The **Encyclopedia of Data Warehousing and Mining, Second Edition** offers thorough exposure to the issues of importance in the rapidly changing field of data warehousing and mining. This essential reference source informs decision makers, problem solvers, and data mining specialists in business, academia, government, and other settings with over 300 entries on theories, methodologies, functionalities, and applications.

Market:
This 4-volume encyclopedia is for all academic and research libraries, as well as all corporate, governmental, and public administration libraries. All those who are involved in storing data electronically and sorting through large amounts of data to find relevant information will find this publication a useful reference. Researchers, educators, managers, and students, seeking to stay current on the latest advances in data warehousing and mining, will also benefit.

Excellent addition to your library! Recommend to your acquisitions librarian.

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Encyclopedia of Data Warehousing and Mining, Second Edition

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Key Features

- 332 authoritative contributions by over 500 of the world's leading experts in data warehousing and mining from 39 countries
- Comprehensive coverage of each specific topic, highlighting recent trends and describing the latest advances in the field
- More than 7,300 references to existing literature and research on data warehousing and mining
- A compendium of over 2,600 key terms with detailed definitions
- Organized by topic and indexed, making it a convenient method of reference for all IT/IS scholars and professionals
- Cross-referencing of key terms, figures, and information pertinent to data warehousing and mining
- FREE institution-wide access to the online version with the purchase of the print publication

Editorial Advisory Board

Topics Covered:

- A-Z overview of DWM
- DWM applications in the real world
- From microarray DM to multimedia DM
- From semantic-based DM to symbiotic DM
- From Bayesian networks to Dempster-Shafer theory
- From vertical DM to evolutionary DM
- From fractal DM to survival DM
- Data pre-processing and post-processing
- Intrusion and damage detection
- Data privacy and security
- Future and emerging trends in DWM

About the Editor:

John Wang is a full professor at Montclair State University. Having received a scholarship award, he came to the USA and completed his PhD in operations research from Temple University in 1990. He has published more than 100 refereed papers and five books. He has also developed several computer software programs based on his research findings. He is the editor of the *Encyclopedia of Data Warehousing and Mining*, 1st and 2nd Edition. Also, he is the editor-in-chief of *International Journal of Applied Management Science*, *International Journal of Information Systems and Supply Chain Management*, *International Journal of Data Analysis Techniques and Strategies*, *International Journal of Information Systems in the Service Sector*, *International Journal of Information Technology Project Management*, and *International Journal of Information Systems and Social Change*. He has served as a guest editor and referee for many other highly prestigious journals. His long-term research goal is on the synergy of operations research, data mining and cybernetics.

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